

DICAMBA APPLICATION UPDATES

Spray Tips Approved for the Application of XtendiMax[™] with VaporGrip[™] Technology



Approved Spray Tips for XtendiMax[™] with VaporGrip[™] Technology *

PART NUMBER	PRESSURE RATING
AI8003-VS	30-40 PSI
AI8005-VS	30-40 PSI
AI11003-VS	30-40 PSI
TTI11003-VP	20-60 PSI
TTI11004-VP	20-63 PSI
TTI11005-VP	20-60 PSI
TTI11006-VP	20-50 PSI

* TeeJet recommends using TTI tips rather than AI tips due to the larger approved pressure range

How To Order:

PART NUMBER	DESCRIPTION
TTI11004-VP	TTI Tip
114443-3-CELR	TeeJet Cap (Red) with Gasket (EPDM)
TTI11004-VP-CE	TTI Tip with Quick TeeJet Cap and Gasket



Learn more www.teejet.com/xtend

Application Requirements:

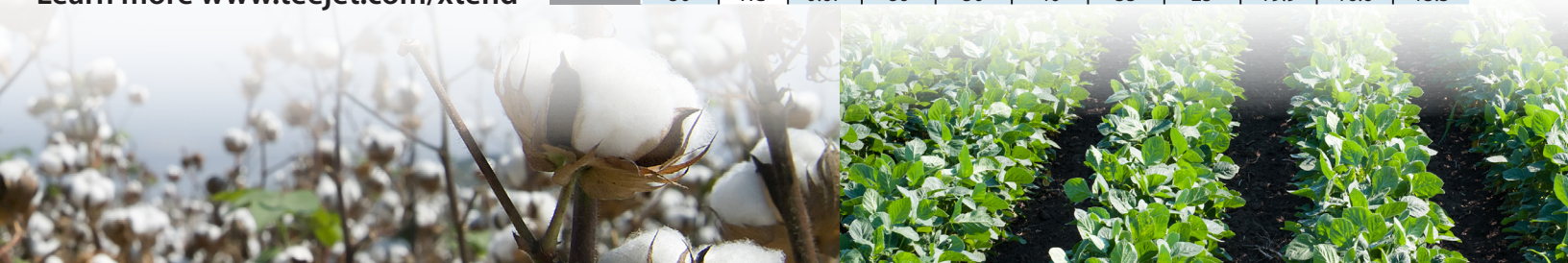
- Nozzles that produce Ultra Coarse (UC) droplets
- Spray volume of 10 gpa or greater
- Boom height no higher than 24 inches above crop canopy
- Maximum ground speed of 15 mph
- Apply when wind speed is between 3 and 10 mph and avoid temperature inversions
- Use triple-rinse procedure to ensure proper sprayer cleanout
- Ammonium Sulfate (AMS) should not be combined with XtendiMax[™]

Advantages:

- Produces primarily Ultra Coarse droplets across the approved pressure range
- TTI tips offer the lowest percentage of driftable droplets available (<2%)*
- Proven product specifically designed to maximize drift control
- Provides exceptional spray coverage for consistent, reliable weed control

* Driftable droplets defined as less than 150 microns. Based on spraying water at 40 psi.

	PSI	TTI DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ/MIN	20" GPA						
					GPA						
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH
TTI11003 (50)	15	UC	0.18	23	13.4	10.7	8.9	-	-	-	-
	20	UC	0.21	27	15.6	12.5	10.4	-	-	-	-
	30	UC	0.26	33	19.3	15.4	12.9	9.7	-	-	-
	40	UC	0.30	38	22	17.8	14.9	11.1	-	-	-
	50	UC	0.34	44	25	20	16.8	12.6	10.1	-	-
TTI11004 (50)	60	UC	0.37	47	27	22	18.3	13.7	11.0	-	-
	15	UC	0.24	31	17.8	14.3	11.9	-	-	-	-
	20	UC	0.28	36	21	16.6	13.9	10.4	-	-	-
	30	UC	0.35	45	26	21	17.3	13.0	10.4	-	-
	40	UC	0.40	51	30	24	19.8	14.9	11.9	9.9	-
TTI11005 (50)	50	UC	0.45	58	33	27	22	16.7	13.4	11.1	-
	60	UC	0.49	63	36	29	24	18.2	14.6	12.1	9.7
	15	UC	0.31	40	23	18.4	15.3	11.5	-	-	-
	20	UC	0.35	45	26	21	17.3	13.0	10.4	-	-
	30	UC	0.43	55	32	26	21	16.0	12.8	10.6	-
TTI11006 (50)	40	UC	0.50	64	37	30	25	18.6	14.9	12.4	9.9
	50	UC	0.56	72	42	33	28	21	16.6	13.9	11.1
	60	XC	0.61	78	45	36	30	23	18.1	15.1	12.1
	15	UC	0.37	47	27	22	18.3	13.7	11.0	-	-
	20	UC	0.42	54	31	25	21	15.6	12.5	10.4	-
TTI11006 (50)	30	UC	0.52	67	39	31	26	19.3	15.4	12.9	10.3
	40	UC	0.60	77	45	36	30	22	17.8	14.9	11.9
	50	XC	0.67	86	50	40	33	25	19.9	16.6	13.3



Visit XtendiMaxApplicationRequirements.com for approved tank-mix partners and nozzles.



**NOW EPA APPROVED
FOR IN-CROP USE**

HERBICIDE

Low volatility XtendiMax™ herbicide with VaporGrip™ Technology



AMMONIUM SULFATE

Ammonium sulfate and ammonium-based additives are prohibited in applications that include XtendiMax™ with VaporGrip™ Technology

XTENDIMAX™
With VaporGrip™ Technology

22 fl oz/A

APPLICATION RATE

Apply 22 fluid ounces per acre for any single, in-crop application



SPRAY VOLUME

Apply in a minimum of 10 gallons of spray solution per acre



NOZZLES

To minimize drift, use nozzles approved on the herbicide product label and operating pressures to minimize driftable fines

24"

SPRAY BOOM HEIGHT

Do not exceed a boom height of 24 inches above target pest or crop canopy. Excessive boom height will increase the potential for drift.

XTENDIMAX™
With VaporGrip™ Technology

SUMMARY OF APPLICATION REQUIREMENTS

The XtendiMax™ herbicide with VaporGrip™ Technology application requirements are intended to help maximize weed control with on-target applications and minimize the potential of off-target movement.

THIS SUMMARY IS NOT A SUBSTITUTE FOR READING AND FOLLOWING ALL PRODUCT LABELING.



<4"

WEED HEIGHT

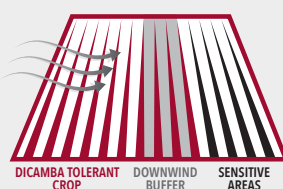
Spray weeds that are less than 4 inches tall



3-10 mph

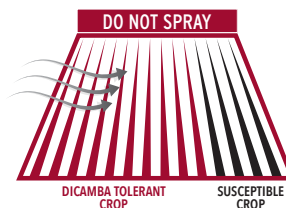
WIND SPEED

Apply when wind speed is between 3 and 10 mph



DOWNWIND BUFFER

Maintain the required label buffer to protect sensitive areas



SUSCEPTIBLE CROPS

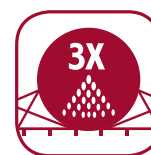
Do not apply when wind is blowing toward adjacent susceptible crops



15 mph

GROUND SPEED

Do not exceed 15 mph ground speed



TRIPLE RINSE

Use triple-rinse cleanout procedure

To report any incidence of nonperformance of this product against a particular weed species, call 1-844-RRXTEND.

To learn more about the Roundup Ready® Xtend Crop System and educational opportunities, visit RoundupReadyXtend.com or contact your Monsanto representative or retailer.

ROUNDUP READY®
XTEND
CROP SYSTEM

Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible. ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. DICAMBA FORMULATIONS MAY NOT BE APPROVED IN ALL STATES. Roundup Ready®, VaporGrip™ and XtendiMax™ are trademarks of Monsanto Technology LLC. All other trademarks are the property of their respective owners. ©2016 Monsanto Company. 1A4T164663

Engenia™
Herbicide

Grow Smart™
with BASF

Introducing the Most Flexible and Advanced Dicamba for Dicamba-Tolerant Crops

Engenia™ Herbicide is a new patented
formulation developed specifically for
use on your dicamba-tolerant soybean*



Palmer amaranth



waterhemp



ivy leaf
morningglory



marestalk



 **BASF**
We create chemistry

* Dicamba-tolerant soybean sold under the trait name Roundup Ready 2 Xtend® Soybeans.

Why Engenia™ Herbicide?

Benefits of Engenia Herbicide

- Provides postemergence broadleaf weed control
 - Over 200 weeds controlled
 - Including glyphosate, triazine, ALS, and PPO resistant broadleaf weeds
 - Up to two weeks residual
- Most advanced formulation
 - New BAPMA salt reduces volatility risk
 - Excellent crop tolerance
- Lowest use rate = 12.8 fl oz/A
 - 5 lbs ae/gal formulation
 - Convenient for use with direct injection

Handle Less Product Per Acre

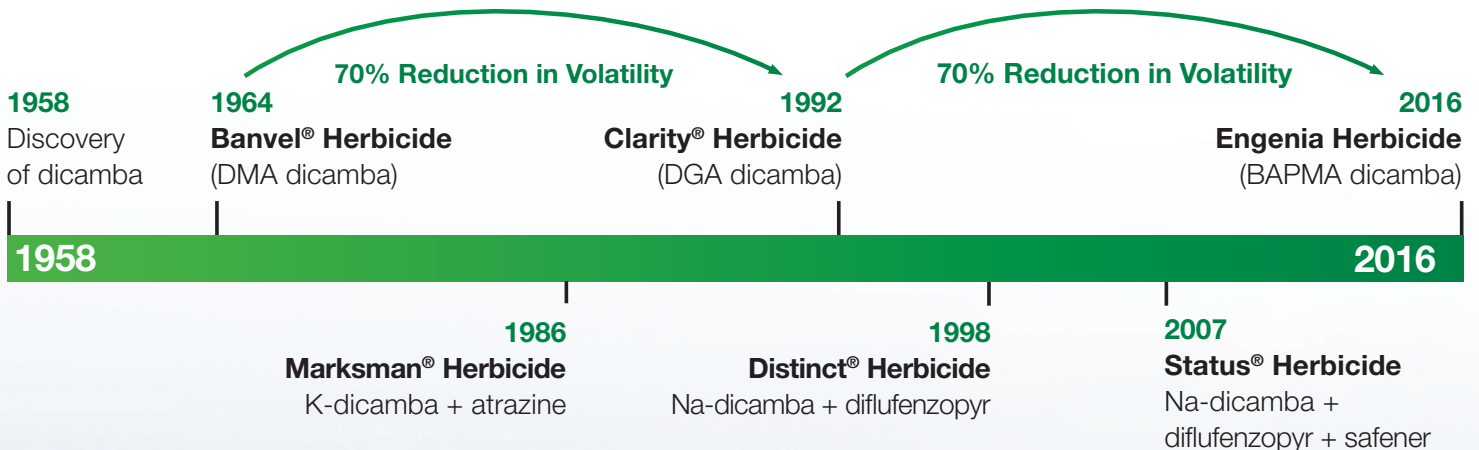


Engenia Herbicide
8 Jugs = 200 Acres



XtendiMax™ Herbicide with VaporGrip™ Technology
14 Jugs = 200 Acres

A 50+ Year History of Dicamba Innovation from BASF



Engenia™ Herbicide

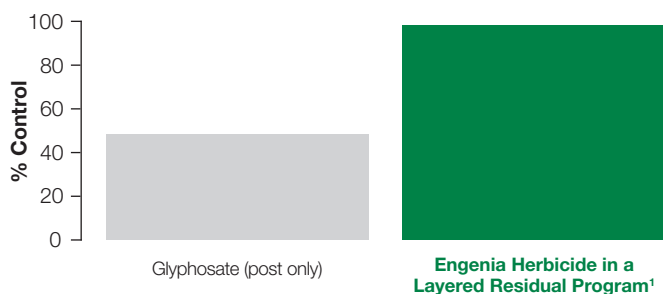
Weed Control Stewardship

Use a System Approach for Effective Weed Control

- Target weeds less than 4 inches tall
- Implement a residual herbicide program
- Use multiple, effective sites of action
- Maintain a vigorous crop

Why a System Approach in Soybeans?

Better Weed Control To Prevent and Manage Weed Resistance



Waterhemp control at 8-10 WAP. n = 5 waterhemp. Zidua® herbicide rates were labeled rate adjusted according to soil texture. 1). Zidua herbicide = labeled rate. Engenia herbicide applied at 12.8 fl oz/A. Outlook® herbicide applied at 12-16 fl oz/A. Glyphosate = 22 fl oz/A. All POST treatments included NIS at 0.25% v/v. Trials conducted 2014 in IL, IA, NC, NE, ND. Refer to www.engeniatankmix.com for a list of approved tank-mix combinations.

Engenia Herbicide Weed Control

Glyphosate Only



Engenia Herbicide in a Layered Residual Program



BASF Trial Story City, IA 2014.



Engenia™ Herbicide

Application Stewardship

Reducing risk of off-target movement and sensitive plant injury is a result of effective application stewardship. The advanced dicamba formulation of Engenia herbicide, along with proper application, will provide maximum broadleaf weed control and effectively minimize off-target potential.

Best Use Recommendations

- **Use Rate:** 12.8 fl oz/A
- **Minimum Application Volume:** 10 GPA
- **Windspeed:** DO NOT spray if wind is blowing toward neighboring specialty crops. **<3 mph:** Apply when a temperature inversion is not present, **3 to 10 mph:** Optimum application conditions provided all other application requirements are met, **>10 to 15 mph:** DO NOT apply when wind is blowing toward neighboring sensitive non-specialty crops, **>15 mph:** DO NOT apply Engenia herbicide
- **Ground Speed:** Not to exceed 15 mph
- **Border/Setback to Sensitive Areas:**
 - Maintain a 110 foot buffer when applying this product from the downwind outer edges of the field, less the distance of any of the adjacent areas specified on the label
 - Always check your surroundings for sensitive plants/crops before making an Engenia herbicide application
- **Use only label approved nozzle:** TTI11004
- **Boom Height:** 24 inches or less above target
- **Only use tank mixtures and adjuvants approved by EPA;** No acidifying water conditioners; DO NOT use ammonium additives (e.g., AMS, UAN)
 - Visit www.engeniatankmix.com for a list of approved tank mix partners and adjuvants

Continuing Education

BASF offers training programs to support applicators. The On Target Application Academy was established to provide field-based applicator training with a practical and rigorous focus on proper application. Hands-on experience, including proper nozzle selection, calibration, boom placement, environmental considerations and the use of effective drift reduction additives, are all addressed.



To learn more about the **On Target Application Academy**, or to find a training event in your area, please visit otaa.basf.us

To learn more about crop protection products from BASF, visit www.agproducts.basf.us

Turbo TeeJet® Induction TTI11004



Engenia™
Herbicide

Always read and follow label directions.

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BASF
We create chemistry